

St. Louis Region Occupational Projections 2020-2030

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Occupational projections are produced every two years and are published in July of even numbered years. Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

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Major Occupation Group Information

Occupation		2020	2030	2020-2030		2020 Wages				Annual Openings			
SOC Code	Title	Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total
00-0000	Total, All Occupations	1,120,239	1,201,727	81,488	7.3%	\$28,835	\$55,704	\$43,426	\$68,553	48,922	74,896	8,149	131,967
11-0000	Management Occupations	65,510	72,018	6,508	9.9%	\$73,295	\$123,123	\$108,613	\$156,510	1,564	3,798	651	6,013
13-0000	Business and Financial Operations Occupations	79,946	85,580	5,634	7.1%	\$54,121	\$78,855	\$71,097	\$95,256	2,166	4,838	563	7,567
15-0000	Computer and Mathematical Occupations	46,096	51,356	5,260	11.4%	\$60,970	\$86,936	\$83,915	\$109,335	1,010	2,410	526	3,946
17-0000	Architecture and Engineering Occupations	18,384	19,424	1,040	5.7%	\$64,743	\$88,808	\$83,276	\$110,369	446	870	104	1,420
19-0000	Life, Physical, and Social Science Occupations	7,526	8,209	683	9.1%	\$43,901	\$70,017	\$59,587	\$82,775	162	571	68	801
21-0000	Community and Social Service Occupations	14,748	15,985	1,237	8.4%	\$34,590	\$46,344	\$43,227	\$56,221	486	981	124	1,591
23-0000	Legal Occupations	10,116	11,026	910	9.0%	\$47,748	\$85,272	\$64,406	\$102,545	294	421	91	806
25-0000	Education, Training, and Library Occupations	52,802	57,148	4,346	8.2%	\$32,435	\$55,911	\$45,623	\$64,541	2,239	2,532	435	5,206
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	19,136	21,573	2,437	12.7%	\$32,200	\$52,241	\$46,016	\$63,648	748	1,315	244	2,307
29-0000	Healthcare Practitioners and Technical Occupations	82,499	90,471	7,972	9.7%	\$46,510	\$75,972	\$62,327	\$86,145	2,177	2,570	797	5,544
31-0000	Healthcare Support Occupations	57,932	67,181	9,249	16.0%	\$22,653	\$29,349	\$25,824	\$32,275	3,776	3,763	925	8,464
33-0000	Protective Service Occupations	22,869	25,250	2,381	10.4%	\$30,614	\$51,116	\$43,845	\$69,388	1,168	1,590	238	2,996
35-0000	Food Preparation and Serving Related Occupations	84,934	103,873	18,939	22.3%	\$20,375	\$26,376	\$23,755	\$29,250	7,095	9,580	1,894	18,569
37-0000	Building and Grounds Cleaning and Maintenance Occupations	34,492	37,226	2,734	7.9%	\$23,630	\$31,579	\$28,942	\$35,960	2,016	2,632	273	4,921
39-0000	Personal Care and Service Occupations	32,339	36,591	4,252	13.2%	\$20,942	\$30,080	\$25,256	\$34,855	2,197	2,723	425	5,345
41-0000	Sales and Related Occupations	102,835	101,835	-1,000	-1.0%	\$24,056	\$49,805	\$33,520	\$58,752	4,991	7,838	-100	12,729
43-0000	Office and Administrative Support Occupations	162,258	157,561	-4,697	-2.9%	\$31,787	\$42,473	\$39,033	\$50,465	7,496	9,846	-470	16,872
45-0000	Farming, Fishing, and Forestry Occupations	1,850	1,809	-41	-2.2%	\$26,392	\$33,051	\$29,915	\$37,769	77	207	-4	280
47-0000	Construction and Extraction Occupations	49,376	54,487	5,111	10.4%	\$46,599	\$64,711	\$67,973	\$80,732	1,578	3,446	511	5,535
49-0000	Installation, Maintenance, and Repair Occupations	39,312	41,719	2,407	6.1%	\$38,151	\$53,271	\$51,134	\$65,725	1,281	2,577	241	4,099
51-0000	Production Occupations	60,327	59,524	-803	-1.3%	\$29,928	\$43,857	\$39,788	\$52,689	2,292	4,224	-80	6,436
53-0000	Transportation and Material Moving Occupations	74,952	81,881	6,929	9.2%	\$27,245	\$40,056	\$35,386	\$49,550	3,661	6,162	693	10,516

Please see Notes tab for further explanation of data.

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Long-Term Occupational Projections for St. Louis Region

Top Job Outlook by Now, Next, and Later Categories

Outlook defined by Career Grades which consider openings, growth rate, and wages

NOW Top Job Outlook - St. Louis			
NOW jobs typically require high school education or less and short-term training			
Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Fast Food and Counter Workers	5,344	\$25,107
B+	Home Health and Personal Care Aides	5,085	\$26,856
B+	Waiters and Waitresses	3,888	\$24,801
B	Customer Service Representatives	2,982	\$38,736
B	Stockers and Order Fillers	2,469	\$32,002
B+	Laborers and Freight, Stock, and Material Movers, Hand	2,319	\$36,784
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,243	\$30,738
B+	Security Guards	1,200	\$36,130
B	Food Preparation Workers	1,147	\$24,176
B	Landscaping and Groundskeeping Workers	1,116	\$32,971
B	Maids and Housekeeping Cleaners	1,033	\$25,104
A	Construction Laborers	989	\$61,053
A	Bartenders	913	\$27,951
B+	Light Truck or Delivery Services Drivers	846	\$43,735
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	748	\$22,900
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	728	\$31,619
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	689	\$24,234
B+	Nonfarm Animal Caretakers	628	\$27,960
B	Food Servers, Nonrestaurant	542	\$26,505
B	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	493	\$22,773

NEXT Top Job Outlook - St. Louis			
NEXT jobs typically require moderate/long-term training or experience or education beyond high school			
Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	2,388	\$27,958
B+	Heavy and Tractor-Trailer Truck Drivers	1,582	\$52,480
B	Nursing Assistants	1,547	\$27,153
B	Bookkeeping, Accounting, and Auditing Clerks	1,214	\$44,226
A	First-Line Supervisors of Food Preparation and Serving Workers	1,200	\$36,708
B	Maintenance and Repair Workers, General	1,106	\$47,236
A	Carpenters	996	\$65,036
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	994	\$81,848
B	First-Line Supervisors of Office and Administrative Support Workers	945	\$65,468
B	Medical Secretaries	836	\$38,591
A	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	769	\$71,764
A	Fitness Trainers and Aerobics Instructors	742	\$38,039
A	Insurance Sales Agents	660	\$72,547
A	Electricians	612	\$67,085
B+	Medical Assistants	602	\$35,161
B+	Computer User Support Specialists	559	\$56,153
B	Recreation Workers	540	\$26,573
B	Police and Sheriff's Patrol Officers	476	\$65,197
B	First-Line Supervisors of Production and Operating Workers	427	\$66,965
A	First-Line Supervisors of Construction Trades and Extraction Workers	425	\$82,643

LATER Top Job Outlook - St. Louis			
LATER jobs typically require a Bachelor's degree or higher education			
Grade	Occupation Title	Annual Openings	Average Annual Wage

A+	General and Operations Managers	2,269	\$115,316
A	Registered Nurses	2,041	\$68,561
A+	Software Developers and Software Quality Assurance Analysts and Testers	1,497	\$100,718
A	Accountants and Auditors	1,241	\$77,123
A	Project Management Specialists and Business Operations Specialists, All Other	958	\$83,690
A+	Management Analysts	753	\$92,817
B	Secondary School Teachers, Except Special and Career/Technical Education	740	\$52,173
A+	Market Research Analysts and Marketing Specialists	725	\$72,247
B	Substitute Teachers, Short-Term	684	\$37,338
B+	Human Resources Specialists	667	\$64,334
B	Elementary School Teachers, Except Special Education	549	\$56,310
A	Securities, Commodities, and Financial Services Sales Agents	495	\$89,147
A+	Medical and Health Services Managers	441	\$113,250
A	Computer Systems Analysts	435	\$92,062
A+	Financial Managers	433	\$153,478
B+	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	370	\$92,260
B	Clinical Laboratory Technologists and Technicians	362	\$50,711
A	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	357	\$96,736
A	Lawyers	349	\$110,233
A	Computer and Information Systems Managers	322	\$146,428

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center
Please see Notes tab for additional details

Long-Term Occupational Projections for St. Louis Region

Top Job Openings by Now, Next, and Later Categories

Openings based on job growth as well as replacement needs due to exits or transfers

NOW Top Job Openings - St. Louis			
NOW jobs typically require high school education or less and short-term training			
Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Fast Food and Counter Workers	5,344	\$25,107
B+	Home Health and Personal Care Aides	5,085	\$26,856
B+	Waiters and Waitresses	3,888	\$24,801
C+	Retail Salespersons	3,863	\$32,945
C	Cashiers	3,068	\$25,601
B	Customer Service Representatives	2,982	\$38,736
C+	Office Clerks, General	2,568	\$39,033
B	Stockers and Order Fillers	2,469	\$32,002
B+	Laborers and Freight, Stock, and Material Movers, Hand	2,319	\$36,784
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,243	\$30,738
C+	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,647	\$40,195
B+	Security Guards	1,200	\$36,130
B	Food Preparation Workers	1,147	\$24,176
B	Landscaping and Groundskeeping Workers	1,116	\$32,971
C+	Childcare Workers	1,072	\$26,241
B	Maids and Housekeeping Cleaners	1,033	\$25,104
A	Construction Laborers	989	\$61,053
A	Bartenders	913	\$27,951
B+	Light Truck or Delivery Services Drivers	846	\$43,735
C	Shipping, Receiving, and Traffic Clerks	753	\$36,243

NEXT Top Job Openings - St. Louis			
NEXT jobs typically require moderate/long-term training or experience or education beyond high school			
Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	2,388	\$27,958
B+	Heavy and Tractor-Trailer Truck Drivers	1,582	\$52,480
B	Nursing Assistants	1,547	\$27,153
B	Bookkeeping, Accounting, and Auditing Clerks	1,214	\$44,226
A	First-Line Supervisors of Food Preparation and Serving Workers	1,200	\$36,708
B	Maintenance and Repair Workers, General	1,106	\$47,236
A	Carpenters	996	\$65,036
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	994	\$81,848
B	First-Line Supervisors of Office and Administrative Support Workers	945	\$65,468
B	Medical Secretaries	836	\$38,591
A	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	769	\$71,764
A	Fitness Trainers and Aerobics Instructors	742	\$38,039
C+	First-Line Supervisors of Retail Sales Workers	734	\$44,132
A	Insurance Sales Agents	660	\$72,547
A	Electricians	612	\$67,085
C+	Hairdressers, Hairstylists, and Cosmetologists	603	\$32,607
B+	Medical Assistants	602	\$35,161
C	Miscellaneous Assemblers and Fabricators	585	\$41,009
B+	Computer User Support Specialists	559	\$56,153
C+	Teaching Assistants, Except Postsecondary	559	\$28,983

LATER Top Job Openings - St. Louis			
LATER jobs typically require a Bachelor's degree or higher education			
Grade	Occupation Title	Annual Openings	Average Annual Wage
A+	General and Operations Managers	2,269	\$115,316

A	Registered Nurses	2,041	\$68,561
A+	Software Developers and Software Quality Assurance Analysts and Testers	1,497	\$100,718
A	Accountants and Auditors	1,241	\$77,123
A	Project Management Specialists and Business Operations Specialists, All Other	958	\$83,690
A+	Management Analysts	753	\$92,817
B	Secondary School Teachers, Except Special and Career/Technical Education	740	\$52,173
A+	Market Research Analysts and Marketing Specialists	725	\$72,247
B	Substitute Teachers, Short-Term	684	\$37,338
B+	Human Resources Specialists	667	\$64,334
B	Elementary School Teachers, Except Special Education	549	\$56,310
A	Securities, Commodities, and Financial Services Sales Agents	495	\$89,147
A+	Medical and Health Services Managers	441	\$113,250
A	Computer Systems Analysts	435	\$92,062
A+	Financial Managers	433	\$153,478
B+	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	370	\$92,260
B	Clinical Laboratory Technologists and Technicians	362	\$50,711
A	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	357	\$96,736
A	Lawyers	349	\$110,233
A	Computer and Information Systems Managers	322	\$146,428

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center
Please see Notes tab for additional details

Fastest Growing Occupations by Now, Next, and Later Categories

Fastest growth defined by percent growth from base year to projected year

NOW Fastest Growing Occupations - St. Louis <i>NOW jobs typically require high school education or less and short-term training</i>				
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
B	Ushers, Lobby Attendants, and Ticket Takers	48.6%	392	\$23,956
C+	Baggage Porters and Bellhops	43.0%	15	\$28,033
A	Bartenders	33.9%	913	\$27,951
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	29.0%	689	\$24,234
B	Hotel, Motel, and Resort Desk Clerks	28.5%	225	\$24,470
B	Food Preparation and Serving Related Workers, All Other	27.8%	170	\$22,631
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	27.8%	748	\$22,900
B	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22.0%	493	\$22,773
B+	Nonfarm Animal Caretakers	21.5%	628	\$27,960
B+	Waiters and Waitresses	21.4%	3,888	\$24,801
B+	Home Health and Personal Care Aides	20.4%	5,085	\$26,856
B	Dishwashers	20.3%	379	\$24,974
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19.5%	728	\$31,619
B	Cargo and Freight Agents	19.1%	142	\$46,589
B	Amusement and Recreation Attendants	18.6%	397	\$27,468
B+	Security Guards	17.6%	1,200	\$36,130
B+	Fast Food and Counter Workers	15.6%	5,344	\$25,107
B	Food Servers, Nonrestaurant	15.3%	542	\$26,505
A	Construction Laborers	15.2%	989	\$61,053
C+	Veterinary Assistants and Laboratory Animal Caretakers	15.0%	148	\$33,039

NEXT Fastest Growing Occupations - St. Louis <i>NEXT jobs typically require moderate/long-term training or experience or education beyond high school</i>				
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
B	Concierges	67.2%	65	\$29,311
A	Cooks, Restaurant	51.7%	2,388	\$27,958
A	Musicians and Singers	41.2%	48	n/a
B+	Athletes and Sports Competitors	38.7%	21	\$72,480
B+	Occupational Therapy Assistants	38.6%	81	\$56,183
B	Broadcast Technicians	38.5%	25	\$50,110
B	Physical Therapist Assistants	33.8%	148	\$52,348
B	Airfield Operations Specialists	31.8%	49	\$35,171
A	Fitness Trainers and Aerobics Instructors	30.1%	742	\$38,039
B	Umpires, Referees, and Other Sports Officials	28.9%	245	\$35,270
B	Phlebotomists	25.4%	115	\$32,857
B+	Computer Numerically Controlled Tool Programmers	25.1%	39	\$72,178
B+	Respiratory Therapists	25.0%	93	\$58,382
B	Mechanical Door Repairers	24.4%	18	\$49,255
B	Chefs and Head Cooks	24.0%	86	\$48,262
B+	Self-Enrichment Education Teachers	24.0%	304	\$42,570
A	First-Line Supervisors of Food Preparation and Serving Workers	23.3%	1,200	\$36,708
B	Audio and Video Equipment Technicians	22.6%	143	\$47,574
B	Mobile Heavy Equipment Mechanics, Except Engines	21.9%	146	\$59,769
B+	Industrial Machinery Mechanics	19.7%	188	\$62,251

LATER Fastest Growing Occupations - St. Louis <i>LATER jobs typically require a Bachelor's degree or higher education</i>				
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Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
A+	Nurse Practitioners	47.4%	281	\$105,878
B	Radio and Television Announcers	35.9%	32	\$53,686
B	Camera Operators, Television, Video, and Motion Picture	34.9%	30	\$55,670
B	Agents and Business Managers of Artists, Performers, and Athletes	33.8%	11	\$59,169
B	Film and Video Editors	33.6%	37	\$55,675
A	Statisticians	32.8%	28	\$92,620
A	Logisticians	30.9%	185	\$79,260
A+	Medical and Health Services Managers	30.4%	441	\$113,250
B+	Producers and Directors	29.7%	76	\$61,146
A	Physician Assistants	29.5%	57	\$83,108
A	Information Security Analysts	28.4%	133	\$93,738
A	Computer and Information Research Scientists	27.4%	20	\$122,494
A	Actuaries	27.3%	20	\$129,547
A	Data Scientists and Mathematical Science Occupations, All Other	25.6%	56	\$103,084
A	Operations Research Analysts	22.6%	76	\$80,575
A	Speech-Language Pathologists	22.3%	92	\$95,830
A+	Market Research Analysts and Marketing Specialists	22.1%	725	\$72,247
B	Coaches and Scouts	21.7%	296	\$35,412
B+	Medical Scientists, Except Epidemiologists	20.5%	115	\$76,924
B	Nursing Instructors and Teachers, Postsecondary	20.5%	47	\$67,061

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center
Please see Notes tab for additional details

All Occupation Information

																ACT Workkeys Assessment Levels											
																Applied Math		Workplace Documents		Graphic Literacy		STEM					
Grade	N	N	N	00-0000	Total, All Occupations	2020 Estimated Employment	2030 Projected Employment	Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training	Minimum	Median	Minimum	Median	Minimum	Median	or Related
						1,210,239	1,201,727	81,488	7.3%	\$28,835	\$55,704	\$43,426	\$68,553	48,922	74,896	8,149	131,967										
11-0000 Management Occupations						65,510	72,018	6,508	9.9%	\$73,295	\$123,123	\$108,613	\$156,510	1,564	3,798	651	6,013										
B	LATER			11-1011	Chief Executive Officers	3,012	2,826	-186	-6.2%	\$118,728	\$185,376	\$178,250	\$231,029	80	118	-179	179	Bachelor's degree	5 years or more	None	None	4	5	5	6	4	5
A+	LATER			11-1021	General and Operations Managers	23,638	25,990	2,352	10.0%	\$60,461	\$115,316	\$96,825	\$152,334	496	1,538	235	2,269	Bachelor's degree	5 years or more	None	None	3	5	3	5	4	5
D	LATER			11-1031	Legislators	281	289	8	2.9%	\$19,761	\$37,361	\$19,981	\$29,820	7	14	1	22	Bachelor's degree	Less than 5 years	None	None	3	5	4	5	4	5
B+	LATER			11-2011	Advertising and Promotions Managers	206	225	19	9.2%	\$74,490	\$109,993	\$92,070	\$145,122	4	16	2	22	Bachelor's degree	Less than 5 years	None	None	3	4	3	5	3	4
B+	LATER			11-2021	Marketing Managers	1,487	1,614	127	8.5%	\$104,607	\$148,030	\$139,357	\$180,793	31	98	13	142	Bachelor's degree	5 years or more	None	None	7	7	5	5	5	5
A	LATER			11-2022	Sales Managers	2,370	2,574	204	8.6%	\$109,865	\$159,515	\$143,319	\$194,158	49	156	20	225	Bachelor's degree	Less than 5 years	None	None	3	4	3	5	4	5
A	LATER			11-2030	Public Relations and Fundraising Managers	771	870	99	12.8%	\$67,385	\$106,971	\$94,846	\$131,075	21	47	10	78	Bachelor's degree	5 years or more	None	None	4	5	5	5	4	5
B+	LATER			11-3010	Administrative Services and Facilities Managers	2,415	2,615	200	8.3%	\$74,419	\$103,381	\$94,550	\$123,484	71	126	20	217	Bachelor's degree	Less than 5 years	None	None	3	5	4	5	4	4
A	LATER			11-3021	Computer and Information Systems Managers	3,716	4,083	367	9.9%	\$104,412	\$146,428	\$141,032	\$171,923	63	222	37	322	Bachelor's degree	5 years or more	None	None	5	5	5	5	5	5
A+	LATER			11-3031	Financial Managers	4,513	5,357	844	18.7%	\$107,371	\$153,478	\$139,538	\$179,934	101	248	84	433	Bachelor's degree	5 years or more	None	None	5	5	3	5	4	5
B+	LATER			11-3051	Industrial Production Managers	1,349	1,400	51	3.8%	\$86,069	\$117,830	\$109,800	\$143,287	27	65	5	97	Bachelor's degree	5 years or more	None	None	3	4	3	4	4	4
B	LATER			11-3061	Purchasing Managers	449	457	8	1.8%	\$90,064	\$123,426	\$109,742	\$144,721	10	24	1	35	Bachelor's degree	5 years or more	None	None	4	5	4	4	4	4
B+	NEXT			11-3071	Transportation, Storage, and Distribution Managers	805	882	77	9.6%	\$76,437	\$100,812	\$95,637	\$117,037	16	46	8	70	High school diploma or equivalent	5 years or more	None	None	3	4	3	4	3	4
B	LATER			11-3111	Compensation and Benefits Managers	91	93	2	2.2%	\$115,374	\$149,537	\$137,788	\$176,101	2	5	0	7	Bachelor's degree	5 years or more	None	None	4	5	5	5	4	4
B+	LATER			11-3121	Human Resources Managers	1,107	1,205	98	8.9%	\$91,681	\$127,407	\$113,244	\$152,089	27	64	10	101	Bachelor's degree	5 years or more	None	None	3	4	5	5	4	4
B+	LATER			11-3131	Training and Development Managers	248	273	25	10.1%	\$93,780	\$122,157	\$118,240	\$145,542	6	17	2	25	Bachelor's degree	5 years or more	None	None	4	4	5	5	4	4
B	NEXT			11-9013	Farmers, Ranchers, and Other Agricultural Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	None	None	4	6	5	5	4	5
A	LATER			11-9021	Construction Managers	2,469	2,888	419	17.0%	\$81,728	\$116,480	\$105,227	\$164,583	55	136	42	233	Bachelor's degree	None	Moderate-term on-the-job training	4	5	3	6	3	5	
A	LATER			11-9031	Education Administrators, Preschool and Childcare Center/Program	257	250	-7	-2.7%	\$48,318	\$61,368	\$58,641	\$66,254	6	12	-1	17	Bachelor's degree	Less than 5 years	None	None	4	4	5	5	4	4
B+	LATER			11-9032	Education Administrators, Elementary and Secondary School	2,327	2,474	147	6.3%	\$79,898	\$96,676	\$89,354	\$113,087	59	112	15	186	Master's degree	5 years or more	None	None	5	5	5	5	5	5
B+	LATER			11-9033	Education Administrators, Postsecondary	747	792	45	6.0%	\$65,465	\$109,451	\$89,773	\$133,161	19	36	4	59	Master's degree	Less than 5 years	None	None	3	5	4	5	4	5
B+	LATER			11-9039	Education Administrators, All Other	112	120	8	7.1%	\$58,243	\$87,717	\$92,566	\$108,685	3	5	1	9	Bachelor's degree	Less than 5 years	None	None	3	4	4	4	4	4
B	LATER			11-9041	Architectural and Engineering Managers	1,251	1,291	40	3.2%	\$120,088	\$157,028	\$150,359	\$188,876	23	64	4	91	Bachelor's degree	5 years or more	None	None	7	7	6	7	5	5
B	NEXT			11-9051	Food Service Managers	944	1,085	141	14.9%	\$37,041	\$56,574	\$57,215	\$69,920	31	81	14	126	High school diploma or equivalent	Less than 5 years	None	None	3	4	4	5	4	4
B+	NEXT			11-9071	Gaming Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	None	3	4	3	4	3	4
C	NEXT			11-9081	Lodging Managers	253	262	9	3.6%	\$32,908	\$66,147	\$61,453	\$95,173	10	18	1	29	High school diploma or equivalent	Less than 5 years	None	None	3	5	3	5	4	5
A+	LATER			11-9111	Medical and Health Services Managers	3,746	4,883	1,137	30.4%	\$80,724	\$113,250	\$101,581	\$130,131	108	219	134	441	Bachelor's degree	Less than 5 years	None	None	3	4	3	4	3	4
B	LATER			11-9121	Natural Sciences Managers	295	315	20	6.8%	\$66,475	\$107,746	\$103,824	\$143,208	6	15	2	23	Bachelor's degree	5 years or more	None	None	4	6	4	4	5	5
C	NEXT			11-9131	Postmasters and Mail Superintendents	39	37	-3	-7.7%	\$77,376	\$107,376	\$107,376	\$143,208	1	2	3	3	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	3	
B	NEXT			11-9141	Property, Real Estate, and Community Association Managers	2,389	2,459	70	2.9%	\$48,684	\$77,993	\$61,704	\$103,491	92	92	7	191	High school diploma or equivalent	Less than 5 years	None	None	3	4	3	4	4	4
C+	LATER			11-9151	Social and Community Service Managers	773	811	38	4.9%	\$54,643	\$67,981	\$62,644	\$77,713	24	42	4	70	Bachelor's degree	Less than 5 years	None	None	3	4	4	5	4	4
B	LATER			11-9161	Emergency Management Directors	43	47	4	9.3%	\$55,542	\$83,943	\$73,797	\$108,522	2	2	0	4	Bachelor's degree	5 years or more	None	None	3	4	4	4	4	4
B	NEXT			11-9171	Funeral Home Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	Less than 5 years	None	None	3	5	4	4	3	4
B+	LATER			11-9198	Personal Service Managers; Entertainment & Recreation Managers	2,463	2,646	183	6.6%	\$98,037	\$133,979	\$126,707	\$158,390	60	126	16	202	Bachelor's degree	Less than 5 years	None	None	3	4	4	5	3	4
13-0000 Business and Financial Operations Occupations						79,946	85,580	5,634	7.1%	\$54,121	\$78,855	\$71,097	\$95,256	2,166	4,838	563	7,567										
B	LATER			13-1011	Agents and Business Managers of Artists, Performers, and Athletes	68	91	23	33.8%	\$32,014	\$59,169	\$62,338	\$75,938	3	6	2											

[illegible]

D	NEXT	33-3012	Correctional Officers and Jailers	1,264	1,172	-92	-7.3%	\$32,198	\$36,602	\$36,039	\$40,104	46	66	-9	103	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C+	NEXT	33-3021	Detectives and Criminal Investigators	674	696	22	3.3%	\$67,669	\$85,744	\$79,072	\$100,566	18	32	2	52	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	4	4	4	4
D	LATER	33-3031	Fish and Game Wardens	55	57	2	3.6%	\$29,064	\$37,906	\$35,332	\$41,259	3	3	0	6	Bachelor's degree	None	Moderate-term on-the-job training	3	3	4	4	3	4
D	NOW	33-3041	Parking Enforcement Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	4
B	NEXT	33-3051	Police and Sheriff's Patrol Officers	5,709	6,021	312	5.5%	\$55,259	\$65,197	\$65,810	\$76,816	147	298	31	476	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
n/a	NEXT	33-3052	Transit and Railroad Police	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C+	NEXT	33-3011	Animal Control Workers	99	113	14	14.1%	\$32,352	\$37,117	\$36,415	\$40,633	3	6	1	10	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4
C	NEXT	33-3022	Private Detectives and Investigators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	4	4	3	3	4	4
B	NEXT	33-3033	Gaming Surveillance Officers and Gaming Investigators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	4	4	3	4
B+	NOW	33-9032	Security Guards	7,522	8,847	1,325	17.6%	\$27,399	\$36,130	\$32,452	\$39,932	434	634	132	1,200	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
C+	NOW	33-9091	Crossing Guards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	4
B	NOW	33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	1,655	2,019	364	22.0%	\$19,814	\$22,773	\$20,558	\$24,066	253	204	36	493	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	3	4
D	NOW	33-9093	Transportation Security Screeners	337	331	-6	-1.8%	\$36,236	\$41,298	\$40,523	\$43,847	12	17	-1	28	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	4	4
C+	NOW	33-9098	School Bus Monitors and Protective Service Workers, All Other	693	758	65	9.4%	\$24,629	\$43,014	\$31,545	\$58,011	100	80	6	186	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
35-0000 Food Preparation and Serving Related Occupations				84,934	103,873	18,939	22.3%	\$20,375	\$26,376	\$23,755	\$29,250	7,095	9,580	1,894	18,569	High school diploma or equivalent	5 years or more	None	3	3	3	4	3	4
A	NEXT	35-1011	Chefs and Head Cooks	516	640	124	24.0%	\$29,133	\$46,262	\$41,085	\$61,933	17	97	12	86	High school diploma or equivalent	Less than 5 years	None	3	3	3	4	3	4
B	NEXT	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,415	7,910	1,495	23.3%	\$27,980	\$36,708	\$33,098	\$45,434	320	730	150	1,200	High school diploma or equivalent	None	None	4	4	4	5	4	4
C	NOW	35-2011	Cooks, Fast Food	2,867	2,873	6	0.2%	\$19,809	\$21,827	\$21,012	\$23,392	169	246	1	416	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
C+	NOW	35-2012	Cooks, Institution and Cafeteria	3,884	4,006	122	3.1%	\$22,025	\$27,379	\$25,828	\$31,220	232	338	12	582	No formal educational credential	None	Short-term on-the-job training	3	4	3	4	3	4
n/a	NEXT	35-2013	Cooks, Private Household	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None	3	3	3	3	4	4
A	NEXT	35-2014	Cooks, Restaurant	10,232	15,517	5,285	51.7%	\$22,019	\$27,958	\$26,404	\$31,495	758	1,102	528	2,388	No formal educational credential	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	4
C	NOW	35-2015	Cooks, Short Order	435	475	40	9.2%	\$20,648	\$26,821	\$24,574	\$31,434	27	39	4	70	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
D	NEXT	35-2019	Cooks, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	3
B	NOW	35-2021	Food Preparation Workers	5,909	6,657	748	12.7%	\$20,213	\$24,176	\$22,439	\$25,694	494	578	75	1,147	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
A	NOW	35-3011	Bartenders	3,991	5,344	1,353	33.9%	\$19,948	\$27,951	\$21,657	\$35,861	212	566	135	913	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	4	4
B	NOW	35-3023	Fast Food and Counter Workers	23,825	26,389	2,564	10.8%	\$20,803	\$25,107	\$23,640	\$28,816	238	2,402	356	5,344	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
B+	NOW	35-3031	Waiters and Waitresses	16,546	20,094	3,548	21.4%	\$19,895	\$24,801	\$20,703	\$26,917	1,345	2,188	355	3,888	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
B	NOW	35-3041	Food Servers, Nonrestaurant	2,940	3,391	451	15.3%	\$22,260	\$26,505	\$25,609	\$29,682	250	247	45	542	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	4	4
B	NOW	35-3011	Dining Room and Cafeteria Attendants and Bartender Helpers	3,040	3,922	882	29.0%	\$20,178	\$24,234	\$21,710	\$25,137	300	301	88	689	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	4	4
B	NOW	35-3021	Dishwashers	1,942	2,336	394	20.3%	\$21,245	\$24,974	\$23,881	\$26,645	151	179	25	379	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
B+	NOW	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,570	3,284	714	27.8%	\$20,065	\$22,900	\$20,843	\$24,995	347	330	71	748	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
B	NOW	35-9099	Food Preparation and Serving Related Workers, All Other	758	969	211	27.8%	\$19,985	\$22,631	\$20,327	\$24,790	74	75	21	170	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
37-0000 Building and Grounds Cleaning and Maintenance Occupations				34,492	37,226	2,734	7.9%	\$23,680	\$31,579	\$28,942	\$35,960	2,016	2,632	273	4,921	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	4
C	NEXT	37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,827	1,943	116	6.4%	\$32,236	\$41,686	\$38,220	\$48,974	81	130	12	223	High school diploma or equivalent	None	None	3	4	3	4	3	4
C	NEXT	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Grounds	929	963	34	3.7%	\$43,546	\$59,942	\$58,758	\$78,403	29	68	3	100	No formal educational credential	Less than 5 years	None	5	5	5	5	4	4
B	NOW	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	15,735	16,681	946	6.0%	\$23,129	\$30,738	\$28,369	\$33,804	1,012	1,136	95	2,243	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
B	NOW	37-2012	Maids and Housekeeping Cleaners	6,741	7,591	850	12.6%	\$21,281	\$25,104	\$23,714	\$26,628	487	461	85	1,033	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
C	NOW	37-2019	Building Cleaning Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
C+	NEXT	37-2022	Pest Control Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
B	NOW	37-3011	Landscaping and Groundskeeping Workers	7,825	8,480	655	8.4%	\$27,789	\$32,971	\$31,823	\$37,757	351	699	66	1,116	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
C	NEXT	37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
C	NOW	37-3013	Tree Trimmers and Pruners	859	926	67	7.8%	\$34,014	\$41,530	\$40,023	\$49,727	38	76	7	121	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	4	4
D	NOW	37-3019	Grounds Maintenance Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3					

C+	NEXT	47-2171	Reinforcing Iron and Rebar Workers	n/a	n/a	n/a	n/a	\$46,262	\$60,011	\$61,209	\$75,170	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship	3	4	3	3	3	4	
B	NEXT	47-2181	Roofers	783	864	81	10.3%	\$38,885	\$57,278	\$57,996	\$76,481	20	58	8	86	None	Moderate-term on-the-job training	3	3	3	3	3	3	
B	NEXT	47-2211	Sheet Metal Workers	1,812	1,923	111	6.1%	\$39,185	\$63,830	\$68,979	\$86,111	51	121	11	183	High school diploma or equivalent	None	Apprenticeship	3	4	3	3	3	4
B	NEXT	47-2221	Structural Iron and Steel Workers	247	279	32	13.0%	\$58,614	\$66,880	\$71,795	\$79,227	7	20	3	30	High school diploma or equivalent	None	Apprenticeship	3	3	3	3	3	3
C+	NOW	47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Mosaic Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training	3	3	3	3	3	4		
C	NOW	47-3012	Helpers—Carpenters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training	3	3	3	3	3	3		
C	NOW	47-3013	Helpers—Electricians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training	3	3	3	3	3	3		
C	NOW	47-3015	Helpers—Painters, Plumbers, Pipefitters, and Steamfitters	126	142	16	12.7%	\$32,489	\$49,438	\$49,965	\$59,211	2	4	2	18	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	4
C	NOW	47-3019	Helpers, Construction Trades, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training	3	3	3	3	3	4		
B	NEXT	47-4011	Construction and Building Inspectors	n/a	n/a	n/a	n/a	\$46,947	\$64,601	\$63,519	\$79,719	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training	5	5	5	5	4	4	
B+	NEXT	47-4021	Elevator Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Apprenticeship	4	4	4	4	4	4		
C	NEXT	47-4031	Fence Erectors	338	368	30	8.9%	\$26,723	\$38,723	\$31,895	\$44,919	8	27	3	38	No formal educational credential	None	Moderate-term on-the-job training	4	4	3	4	4	4
C	NEXT	47-4041	Hazardous Materials Removal Workers	n/a	n/a	n/a	n/a	\$39,631	\$58,607	\$67,103	\$76,290	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	4	4	3	4	3	4	
C	NEXT	47-4051	Highway Maintenance Workers	1,422	1,480	58	4.1%	\$32,312	\$38,614	\$37,062	\$43,656	57	91	6	154	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	3	3
C	NEXT	47-4061	Rail-Track Laying and Maintenance Equipment Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training	3	3	4	4	3	3		
C	NEXT	47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	371	419	48	12.9%	\$36,572	\$42,183	\$43,081	\$48,220	13	33	5	51	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4
C	NEXT	47-4080	Miscellaneous Construction and Related Workers	54	57	6	12.3%	\$49,787	\$52,131	\$52,607	\$59,036	2	5	1	8	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	3
C	NEXT	47-5012	Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training	3	3	3	3	4	4		
B	NEXT	47-5022	Excavating and Loading Machine and Drilling Operators, Surface	n/a	n/a	n/a	n/a	\$41,995	\$46,132	\$45,764	\$49,533	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	4	3	4	
C+	NEXT	47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance	n/a	n/a	n/a	n/a	\$42,413	\$45,954	\$46,615	\$50,817	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Long-term on-the-job training	3	3	3	4	3	4	
49-0000 Installation, Maintenance, and Repair Occupations				39,312	41,719	2,407	6.1%	\$38,151	\$53,271	\$51,134	\$65,735	1,281	2,577	241	4,099									
B	NEXT	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,724	2,912	188	6.9%	\$55,488	\$70,396	\$67,926	\$83,575	82	168	19	269	High school diploma or equivalent	Less than 5 years	None	3	4	3	5	3	5
D	NEXT	49-2011	Computer, Automated Teller, and Office Machine Repairers	1,028	985	-43	-4.2%	\$32,130	\$41,797	\$38,782	\$49,655	30	77	-4	103	Some college, no degree	None	Short-term on-the-job training	5	5	5	5	5	5
C+	NEXT	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Moderate-term on-the-job training	3	4	3	4	4	4	
C	NEXT	49-2022	Telecommunications Equipment Installers and Repairers, Except Linemen	1,404	1,346	-58	-4.1%	\$52,813	\$61,273	\$60,429	\$69,491	48	105	-6	147	Postsecondary non-degree award	None	Moderate-term on-the-job training	3	4	3	4	4	4
B	NEXT	49-2091	Avionics Technicians	228	240	12	5.3%	\$66,548	\$78,832	\$81,201	\$93,657	6	10	-2	17	Associate degree	None	None	3	3	3	3	3	3
C	NEXT	49-2092	Electric Motor, Power Tool, and Related Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	3	
B	NEXT	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Long-term on-the-job training	3	3	3	3	3	4	5
C	NEXT	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	181	198	17	9.4%	\$30,705	\$50,930	\$52,510	\$69,890	5	9	2	16	Postsecondary non-degree award	None	Long-term on-the-job training	3	4	4	5	3	3
C	NEXT	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Rail	238	254	16	6.7%	\$32,489	\$49,438	\$49,965	\$59,211	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	4	3	4	3	3
C	NEXT	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	n/a	n/a	n/a	n/a	\$23,481	\$36,015	\$35,967	\$47,644	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	4
C	NEXT	49-2097	Electronic Home Entertainment Equipment Installers and Repairers	679	709	30	4.4%	\$35,833	\$46,792	\$44,381	\$56,469	23	50	3	76	Postsecondary non-degree award	None	Short-term on-the-job training	3	3	4	4	4	4
B	NEXT	49-2098	Security and Fire Alarm Systems Technicians	n/a	n/a	n/a	n/a	\$48,109	\$60,732	\$63,997	\$74,544	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	4	4
B	NEXT	49-3011	Aircraft Mechanics and Service Technicians	953	1,033	80	8.4%	\$49,240	\$70,906	\$73,731	\$93,577	28	52	8	88	Postsecondary non-degree award	None	None	3	4	3	5	4	5
C	NEXT	49-3021	Automotive Body and Related Repairers	1,383	1,391	8	0.6%	\$34,942	\$47,679	\$48,294	\$59,105	44	52	1	127	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	3	3
C+	NEXT	49-3022	Automotive Glass Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	4	4	
C	NEXT	49-3023	Automotive Service Technicians and Mechanics	5,448	5,383	-65	-1.2%	\$36,951	\$47,945	\$49,203	\$59,671	161	367	-6	522	Postsecondary non-degree award	None	Short-term on-the-job training	3	4	3	4	3	4
C+	NEXT	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,736	1,911	175	10.1%	\$40,286	\$49,294	\$48,448	\$58,261	52	114	18	184	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	3	4
C	NEXT	49-3041	Farm Equipment Mechanics and Service Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	4	4	
B	NEXT	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,121	1,367	246	21.9%	\$48,063	\$59,769	\$61,456	\$77,735	37	89	25	146	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	3	3
C	NEXT	49-3043	Rail Car Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	4	4	
C	NEXT	49-3051	Motorboat Mechanics and Service Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	4	4	4	4	
C	NEXT	49-3052	Motorcycle Mechanics	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training	3	4	4	4	4	4	
C	NEXT	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	483	515	32	6.6%	\$38,617	\$58,913	\$60,459	\$74,858	22	3	58	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4	
F	NEXT	49-3091	Boat Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	4	4	
C+	NEXT	49-3092	Recreational Vehicle Service Technicians	n/a	n/a	n/a	n/a	\$34,164	\$42,011	\$38,281	\$47,031	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	4	4	4	4	4	4
D	NOW	49-3093	Tire Repairers and Changers	n/a	n/a	n/a	n/a	\$30,279	\$34,342	\$34,813	\$38,906	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	4
B	NEXT	49-3011	Machine Tool Operators, Metal	160	199	39	24.4%	\$36,185	\$49,255	\$46,122	\$55,206	4	10	4	18	High school diploma or equivalent	None	Moderate-term on-the-job training	4	4	4	4	4	4
C	NEXT	49-3012	Control and Valve Installers and Repairers, Except Mechanical Door	346	346	0	0.0%	\$54,801	\$72,611	\$73,207	\$91,806	8	10	2	30	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
C+	NEXT	49-3021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,023	2,229	206	10.2%	\$31,188	\$50,061	\$45,878	\$66,887	54	145	21	220	Postsecondary non-degree award	None	Long-term on-the-job training	3	4	3	4	3	4
C	NEXT	49-3031	Home Appliance Repairers	610	605	-5	-0.8%	\$39,660	\$54,613	\$54,957	\$67,367	23	35	0	58	High school diploma or equivalent	None	Moderate-term on-the-job training	4	3	4	3	4	4
C	NEXT	49-3041	Industrial Machinery Mechanics	1,672	2,002	330	19.7%	\$36,957	\$62,251	\$60,187	\$74,079	56	99	33	188	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
B	NEXT	49-3042	Maintenance Workers, Machinery	271	307	36	13.3%	\$44,420	\$61,336	\$61,104	\$71,104	4	30	2	40	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
B+	NEXT	49-3044	Millwrights	180	210	30	16.7%	\$59,658	\$84,980	\$76,060	\$120,656	6	11	3	20	High school diploma or equivalent	None	Apprenticeship	3	4	3	4	3	4
B+	NEXT	49-3051	Electrical Power-Line Installers and Repairers	554	629	75	13.5%	\$70,888	\$82,564	\$87,020	\$99,508	11	40	8	59	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
C	NEXT	49-3052	Telecommunications Line Installers and Repairers	1,234	1,207	-27	-2.2%	\$42,012	\$63,887	\$69,955	\$82,737	27	103	-3	127	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	3	4
C	NEXT	49-3061	Camera and Photographic Equipment Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	4	5	5	4	4	4	
C	NEXT	49-3062	Medical Equipment Repairers	648	648	0	0.0%	\$39,294	\$55,288	\$54,152	\$68,802	27	68	4	68	Associate degree	None	Moderate-term on-the-job training	3	3	3	3	3	3
F	NEXT	49-3063	Musical Instrument Repairers and Tuners	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship	4	4	4	4	4	4	
C	NEXT	49-3069	Precision Instrument and Equipment Repairers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	4	5	4	4	4	4	
B	NEXT	49-3071	Maintenance and Repair Workers, General	10,724	11,423	699	6.5%	\$35,085	\$47,236	\$44,722	\$58,906	390	646	70	1,106	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	4
B	NEXT	49-3081	Wind Turbine Service Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Long-term on-the-job training	3	4	3	4	3	4	
S	NOW	49-3091	Coin, Vending, and Amusement Machine Servicers and Repairers	279	304	25	9.0%	\$29,452	\$38,762	\$37,988														

C+	NEXT	53-6051	Transportation Inspectors	103	99	-4	-3.9%	\$86,929	\$100,266	\$101,828	\$120,315	3	7	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
C+	NOW	53-6061	Transportation Attendants, Except Flight Attendants	n/a	n/a	n/a	n/a	\$19,826	\$28,823	\$28,999	\$34,986	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	4	4
C	NOW	53-6098	Aircraft Service Attendants and Transportation Workers, All Other	255	280	25	9.8%	\$23,082	\$31,677	\$26,113	\$34,790	12	24	2	38	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	3
C	NOW	53-7011	Conveyor Operators and Tenders	722	821	99	13.7%	\$18,651	\$32,820	\$31,348	\$36,113	24	66	10	100	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
C+	NEXT	53-7021	Crane and Tower Operators	161	182	21	13.0%	\$29,055	\$45,884	\$37,268	\$66,961	5	13	2	20	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	3
B+	NEXT	53-7031	Dredge Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C	NOW	53-7041	Hoist and Winch Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	4	4
B	NOW	53-7051	Industrial Truck and Tractor Operators	3,565	3,933	368	10.3%	\$30,566	\$40,768	\$35,138	\$49,900	113	288	37	438	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
C	NOW	53-7061	Cleaners of Vehicles and Equipment	1,830	1,962	132	7.2%	\$22,087	\$32,497	\$27,324	\$37,292	93	169	13	275	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	3
B+	NOW	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	15,678	17,301	1,623	10.4%	\$27,680	\$36,784	\$32,408	\$41,251	722	1,435	162	2,319	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
D	NOW	53-7063	Machine Feeders and Offbearers	301	303	2	0.7%	\$24,815	\$31,307	\$29,292	\$34,201	17	22	0	39	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	4
C	NOW	53-7064	Packers and Packers, Hand	2,322	2,363	41	1.8%	\$22,617	\$29,668	\$27,075	\$34,273	133	190	4	327	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4
B	NOW	53-7065	Stockers and Order Fillers	15,235	15,889	654	4.3%	\$24,245	\$32,002	\$29,752	\$36,994	886	1,518	65	2,469	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	3
B	NEXT	53-7072	Pump Operators, Except Wellhead Pumps	n/a	n/a	n/a	n/a	\$68,393	\$71,213	\$73,500	\$78,637	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C	NOW	53-7081	Refuse and Recyclable Material Collectors	267	293	26	9.7%	\$26,710	\$38,813	\$38,009	\$47,697	12	25	3	40	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3
D	NOW	53-7121	Tank Car, Truck, and Ship Loaders	30	30	0	0.0%	\$39,441	\$43,294	\$43,889	\$48,574	1	3	0	4	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	4
C+	NOW	53-7199	Material Moving Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4

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Notes

- 1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
- 2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
- 3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
- 4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
- 5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation.
- 6. Annual Growth Openings (Column O) are the annual numeric change in employment.
- 7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

Occupation Grade

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

STEM

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

N_N_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma
Next: Typically requires non-degree certificate, associate’s degree, apprenticeship, some experience, or moderate- to long-term training
Later: Typically requires a bachelor’s degree or higher

ACT WorkKeys Assessments

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3, 4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:
<https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>